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ENGINEERING AND TECHNOLOGY DEGREES
1983

PART I—BY SCHOOL
Summary Data by School, Curriculum Group and Degree Level

ENGINEERING MANPOWER COMMISSION

A Commission of the Engineering Affairs Council
of the
American Association of Engineering Societies, Inc.

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INTRODUCTION

Following the format established in 1976, this report on engineering and technology degrees awarded in 1983 again presents the data in three parts. Each of the three parts focuses on a different aspect of the engineering and technology degree data and is designed to present the statistics in the most useful and convenient format.

Part I consists of degree data for each school arranged in tabular form with columns for prominent curriculum groups, totals for the school, and information on each school's accreditation and control status. There are separate tables for each of four degree levels in engineering and engineering technology. At the end of each table are summaries of the number of students in special categories, i.e., the four minority groups (Black, Hispanic, American Indian, and Asian/Pacific), women, and foreign national students included in the totals for each degree level.

Part II contains detailed data broken down by school for each of the six special categories of students presented in the same format as Part I. Prior to 1976, such degree data was not available for both engineering and technology.

Part III focuses on curricula in greater detail than the other parts. Each of the different engineering and technology curriculum groups is listed in alphabetical order, giving the schools offering such programs and the exact program titles assigned by the schools, number of degrees awarded at each degree level, and the number of students from special categories. The Accreditation Board for Engineering and Technology (ABET) accreditation for specific curricula is designated for each curriculum. A final set of tables summarize degrees at all levels of engineering and technology according to the detailed curriculum titles.

Although every attempt has been made to eliminate errors in reporting the statistics, some discrepancies may appear. In several cases, inconsistencies in the data submitted have been corrected, or related curricula grouped under a common title so that this report would be manageable in size. Any questions regarding the course content of a specific program should be directed to the reporting institution. Users of this report are advised to read the explanatory material before using the data tables provided herein.

For the convenience of users, these parts of *Engineering and Technology Degrees—1983* are available separately or as a set. A separate report on Engineering and Technology Enrollments for 1983 will be published in Mid-1984. Orders may be placed with the Publications Department, American Association of Engineering Societies, 345 East 47th Street, New York, New York 10017.

EXPLANATION OF PART I

This part of the report provides data on the number of engineering and technology degrees granted, for the school year ending June, 1983. Tables appear for the following degree levels.

Engineering Degrees
- Bachelor's
- Master's
- Engineer (Professional)
- Doctor's

Engineering Technology Degrees
- Certificate
- Associate
- Bachelor's
- Master's

The engineering tables include data from schools known by the EMC to offer engineering degrees at at least the bachelor's level. The data are essentially complete for all engineering schools in the United States. Data are presented according to major curriculum categories.

The engineering technology tables show data for selected schools, including all schools on the ABET accreditation lists for 1982. Data are again presented by major categories.

Unlike the totals for engineering degrees, the technology degree totals do not represent national totals because they include only selected schools responding to the survey. There is no way of knowing how many additional degrees may have been awarded by other schools. The 1983 technology degree data are not directly comparable to previous years' data because of variations in the schools responding each year.

Following the totals for each degree level, data for the six special categories of students are summarized for the curriculum categories. Complete data supporting this summary information are provided in Part II; Part III gives more detailed information by curriculum, grouped under major categories.

EXPLANATION OF SYMBOLS AND ABBREVIATIONS

Column 1—School.
Schools are listed alphabetically by state, followed by a total for that state.

Column 2—Accreditation and Control (AC).
The first digit is an accreditation code with the following meaning:

1 = At least one engineering curriculum accredited by ABET (1982 list). Used only in the engineering degree tables.
2 = At least one technology curriculum accredited by ABET (1982 list). Used only in the technology degree tables.
4 = Accredited by a regional accrediting commission (1981-82 list).
5 = Accredited by NATTS (1981-82 list).
6 = None of the above.

The second digit indicates control of the school according to the following code:

1 = Public—state or local government control
2 = Public—federal government control
3 = Private—non-profit, non-sectarian
4 = Private—religious
5 = Private—proprietary

The remaining columns give the number of degrees awarded by each school by major curriculum group, as follows:

Engineering Degree Catgegories

AER Aerospace & related
AGR Agricultural
ARC Architectural
BIO Bioengineering
CER Ceramic
CHE Chemical
CMP Computer
CVL Civil, Construction
ELC Electrical, Electronic
ENS Engineering & Applied Science
ENV Environmental
GNL General
INM Industrial, Manufacturing, Engineering Management
MAR Marine & related
MEC Mechanical
MGN Mining, Mineral, Geological
MTL Materials & Metallurgical
NUC Nuclear
PET Petroleum & Natural Gas
OTH Other
SYS Systems

Engineering Technology Degree Categories

ACN	Air Conditioning & related
AER	Aeronautical & related
ARC	Architectural
AUT	Automotive
CHE	Chemical
CVL	Civil, Highway, Surveying
CON	Construction
CMP	Computer
DRF	Drafting, Design, Graphics
ELC	Electrical
ELM	Electromechanical
ELX	Electronic
ENS	Engineering Science
GNL	General
INM	Industrial & Manufacturing
MAR	Marine
MEC	Mechanical
MGN	Mining, Metallurgical, Welding
MTL	Materials
NUC	Nuclear
OTH	Other, e.g., 2-Yr or Pre-Engineering, Environmental, Agricultural, Bioengineering

ESTIMATED DATA

Information was not received from the following engineering schools at the time of publication. In order to present reasonably comparative data to previous reports, information from the 1982 report has been substituted for these institutions:

Northern Arizona University
Humboldt State
Hartford Grad
Millikin University
U.S. Naval Academy
University of Lowell
Mass. Maritime Academy
Lehigh University
Providence College
South Dakota State University
Univ. Tennessee Space Institute

Information was not received from the following ABET-accredited engineering technology schools at the time of publication. Information from the 1982 report has been substituted for these institutions:

Glendale Community College
Northern Arizona
City College of San Francisco
University of Southern Colorado
Samuel I. Ward Coll. Univ. of Hartford
Florida A&M University
Parkland College
Purdue Univ., Ft. Wayne
Western Kentucky University
Delta College
Wichita State University
University of Nebraska at Omaha
Ocean County College
Trenton State College
Bronx Community College
Monroe Community College
Nassau Community College
Orange County Community College
SUNY A&T Farmingdale
Sandhills Community College
Franklin University
Owens Tech. College
Florence Darlington Tech. College
Trident Tech. College
Knoxville St. Tech. Institute
Del Mar College
University Houston Downtown College

Previous year's data is indicated in this report by an asterisk (*) appearing before the substituted entry.

The following engineering schools have not provided us with data recent enough to be of accurate use in this publication. We regret that we are unable to include their data in this year's publication:

Tuskegee Institute
Northrop University
San Francisco State University
University of Santa Clara College of Engineering
Tennessee Chattanooga
Prairie View A&M

These engineering schools are listed in the report with "XX" following the school name to indicate where their data would have appeared. An estimate of the combined data for these schools appears at the end of each section of the report under the heading of "XX All Unreported".

The following ABET-accredited engineering technology schools have not provided us with data recent enough to be of accurate use in this publication. We regret that we are unable to include their data in this year's publication:

Forsyth Tech. Institute
Sumter Tech.
Tri-Cities St. Tech.
Institute of Textile Tech.